SAMSUNG

MICRO COMPONENT SYSTEM

MP3-CD/CD-R/RW PLAYBACK

MM-ZL7

Instruction Manual

Safety Warnings

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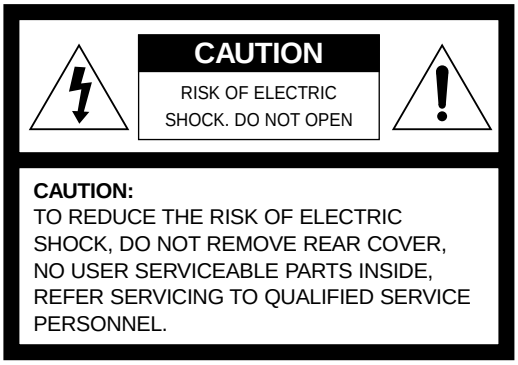
CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
PRODUCTO LASER CLASE 1

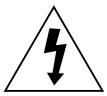

CAUTION
RISK OF ELECTRIC
SHOCK. DO NOT OPEN
CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER, NO USER SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION-INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.



This symbol indicates that dangerous voltage which can cause electric shock is present inside this unit.

This symbol alerts you to important operating and maintenance instructions accompanying the

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

Wiring the Mains Power Supply Plug (UK only)

IMPORTANT NOTICE

The main lead on this equipment is supplied with a moulded plug incorporating a fuse. The value of the fuse is indicated on the pin face of the plug and if it requires replacing, a fuse approved to BS1362 of the same rating must be used.

Never use the plug with the fuse cover removed. If the cover is detachable and a replacement is required, it must be of the same colour as the fuse fitted in the plug. Replacement covers are available from your dealer. If the fitted plug is not suitable for the power points in your house or the cable is not long enough to reach a power point, you should obtain a suitable safety approved extension lead or consult your dealer for assistance. However, if there is no alternative to cutting off the plug, remove the fuse and then safely dispose of the plug. Do not connect the plug to a main socket as there is a risk of shock hazard from the bared flexible cord.

Never attempt to insert bare wires directly into a main socket. A plug and fuse must be used at all times.

IMPORTANT

The wires in the main lead are coloured in accordance with the following code:–

BLUE = NEUTRAL BROWN = LIVE

As these colours may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:–

The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK. The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E OR BY THE EARTH SYMBOL ⏚ , OR COLOURED GREEN OR GREEN AND YELLOW.

You have just purchased a SAMSUNG micro component system.

Please take the time to read these instructions, as they will enable you to set up your player easily and take full advantage of its features.

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Symbols

Press

Push

Important

Note

Front Panel View

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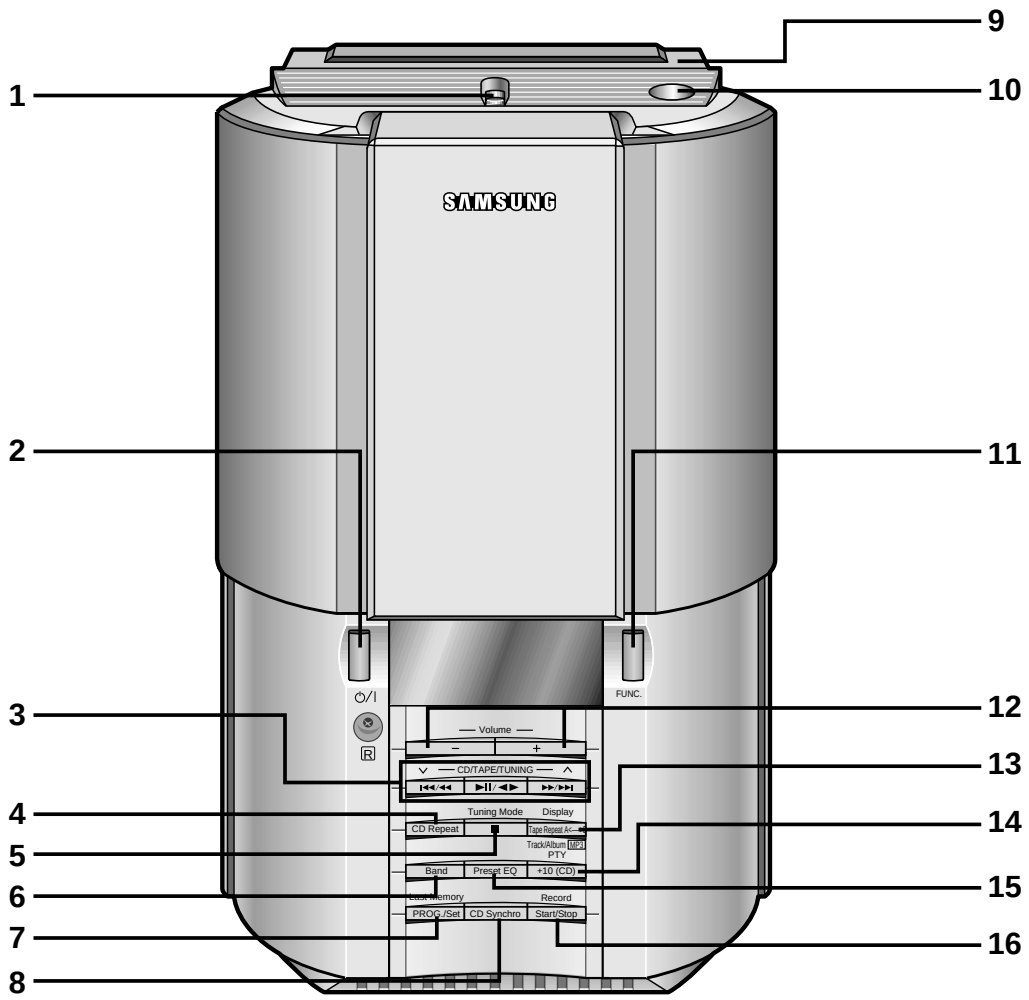

1. CD Door Open/Close( )
2. On / Standby
3. Multi-Function(CD/TAPE/TUNING)
4. CD Repeat
5. Tuning Mode(Stop)
6. Band
7. PROG./Set / Last Memory
8. CD Synchro
9. Push Eject( )
10. Phones jack
11. Function
12. Volume control
13. Tape Repeat A<–>B / MP3 Track / Album / RDS Display
14. +10(CD) /RDS PTY
15. Preset EQ
16. Record Start/Stop

Remote Control

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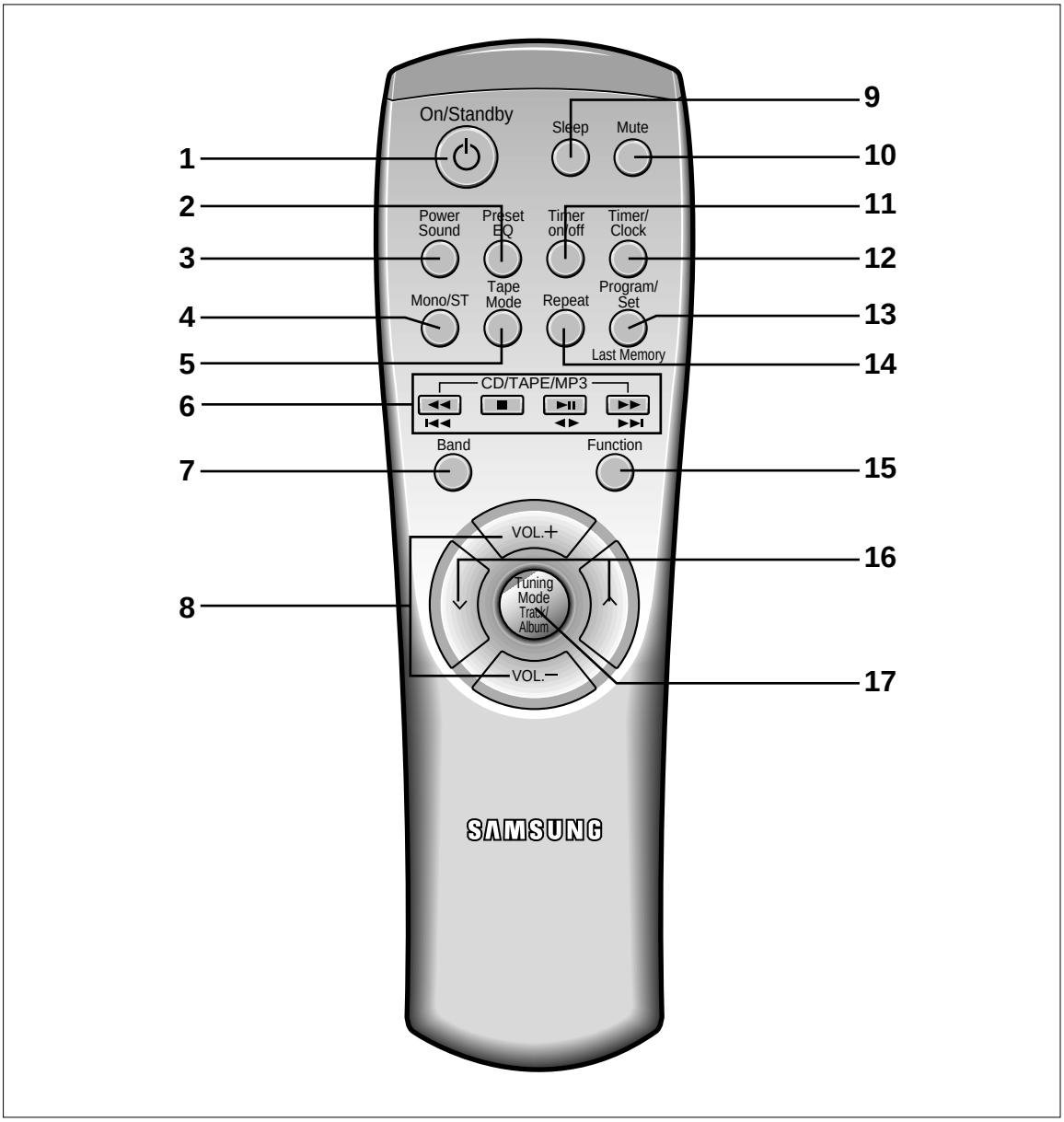

1. On/Standby
2. Preset EQ
3. Power Sound
4. Mono / ST.
5. Tape Mode
6. Multi-Function (CD / TAPE / MP3)
7. Band
8. Volume Control
9. Sleep
10. Mute
11. Timer on / off
12. Timer / Clock
13. Program/Set **/** Last Memory
14. Repeat
15. Function
16. Radio station search
17. Tuning Mode **/** MP3 Track / Album

Rear Panel View

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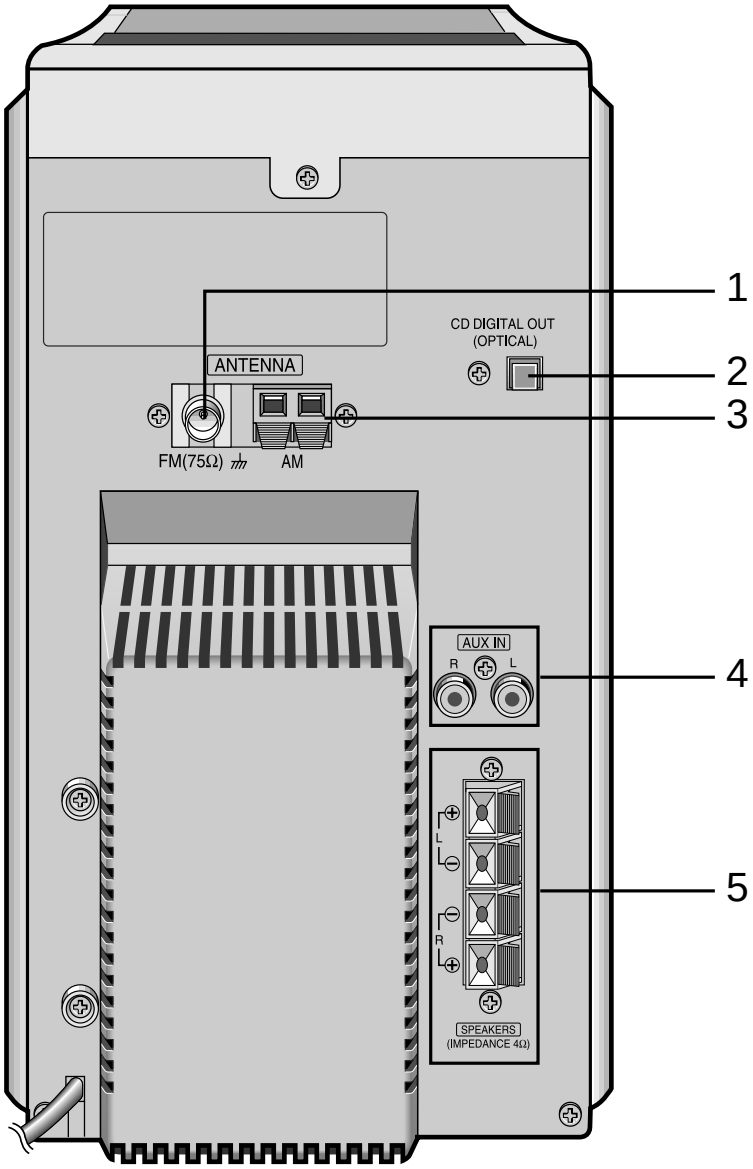
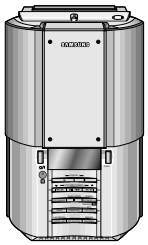


1. FM AERIAL CONNECTOR TERMINAL
2. CD DIGITAL OUT JACK
3. AM(MW)/LW AERIAL CONNECTOR TERMINALS
4. AUX INPUT
5. LOUDSPEAKERS CONNECTOR TERMINALS

Where to Install Your Micro-Component System

To take full advantage of your new MICRO component system, follow these installation instructions before connecting the unit.

- ***Install the system on a flat, stable surface.***
- ***Never place this unit on carpeting.***
- ***Never locate this unit in an outdoor area.***
- ***Maintain an open space of approximately 6 inches (15 cm) on the sides and rear of the system, for ventilation purposes.***
- ***Make sure that you have enough room to open the compact disc compartment easily.***
- ***Place the loudspeakers at a reasonable distance on either side of the system to ensure good stereo sound.***
- ***Direct the loudspeakers towards the listening area.***
- ***For optimum performance, make sure that both speakers are placed at an equal distance above the floor.***

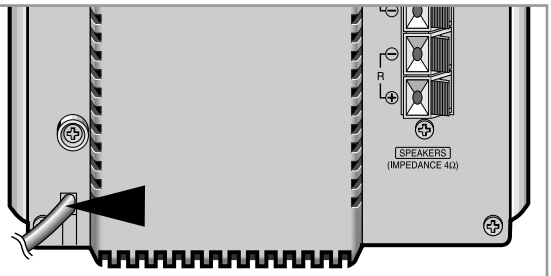


Connecting Your System to the Power Supply

The main lead must be plugged into an appropriate socket.

☛ Before plugging your system into a main socket, you must check the voltage.

1. Plug the main lead (marked AC CORD on the rear of the system) into an appropriate socket.
2. Press the **On/Standby** button to switch your Micro component system on.



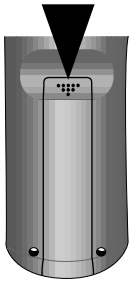
Inserting Remote Control Batteries

Insert or replace remote control batteries when you:

- ***Purchase the Micro component system***
- ***Find that the remote control is no longer operating correctly***

☛ When replacing the batteries, use a new set of batteries and never mix alkaline and manganese batteries.

1. Place your thumb on the position marked ⁘ on the battery compartment cover (rear of the remote control) and push the cover in the direction of the arrow.
2. Insert two AAA, LR03 or equivalent batteries, taking care to respect the polarities:
   - + on the battery against + on the remote control
   - – on the battery against – on the remote control
3. Replace the cover by sliding it back until it clicks into position.



Connecting to an External Source

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The auxiliary input can be used to take advantage of the sound quality of your MICRO component compact system when listening to other sources.

Example:
- ***A television***
- ***A video disc player***
- ***A Hi-Fi stereo video cassette recorder***

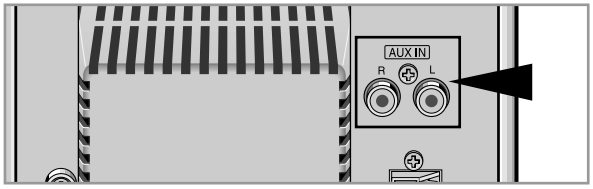
➢ To connect the external source, the source must have an audio output. In addition, you need an RCA connection cable.

1. Set the system to standby mode and disconnect it and the external source from the main.
2. Connect the audio cable to the rear of the micro component compact system.

Connect the...	To the connector marked...
Red jack	**R** (right)
White jack	**L** (left)

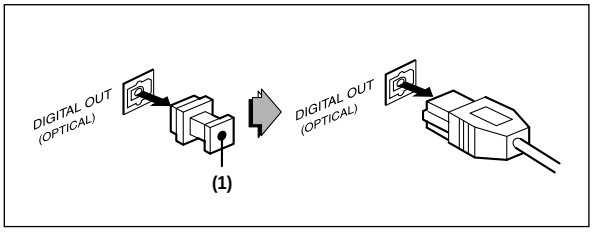
➢ For optimum sound quality, do not invert the right and left channels.

3. Plug the system back into the main socket and press **On/Standby** to switch it on.
4. Select the AUX function by pressing **FUNC.** button.
   Result: **AUX** is displayed.
5. Switch the external source on.
6. Adjust the volume and balance as required:
   - Volume
   - Equalizer



CD Digital Out Jack

This unit can output CD digital sound signals through this jack. Use an optical cable to connect digital audio equipment. (DAT deck, MD recorder, etc.).
Remove the dust cap (1) from the CD DIGITAL OUT jack. Then, connect an optical cable plug to the CD DIGITAL OUT jack.



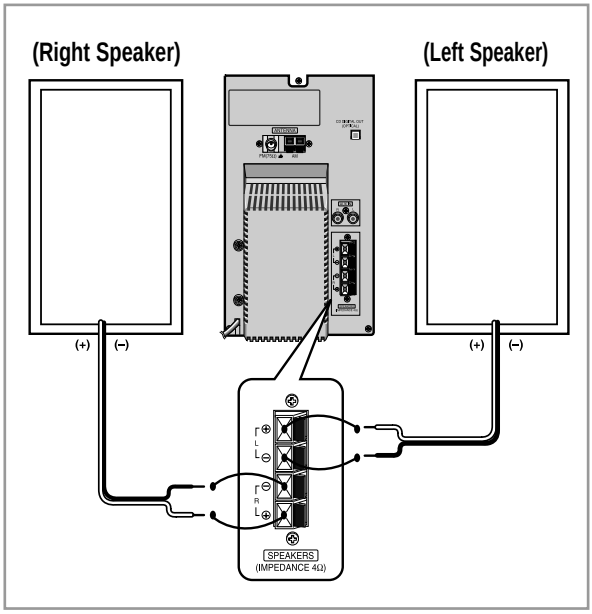
When the CD DIGITAL OUT jack is not being used
Attach the supplied dust cap.

Connecting the Loudspeakers

The loudspeaker connector terminals are located on the rear of the system.

1. Press and hold the clamp of the speaker terminal on the rear of the unit.
2. Insert the end of the speaker cord into the terminal.
   - Match the polarity (colors): Red (+) to red (+) and black (–) to black (–).
3. Release the finger from the clamp.

☛ Use only speakers with the same speaker impedance as indicated by the speaker terminals on the rear of the unit.



Directions in Installing Speaker

- Installation in a place near heating apparatus, under direct lay of light or with high humidity may cause performance degradation of the speaker.
- Do not install on the wall or on a high place of pole or other unstable place to prevent any safety accident caused by falling of the speaker.
- Do not take the speaker apart from TV or computer monitor. The speaker near the TV or computer monitor may influence the quality of the screen display.

Connecting the AM (MW)/LW Aerial

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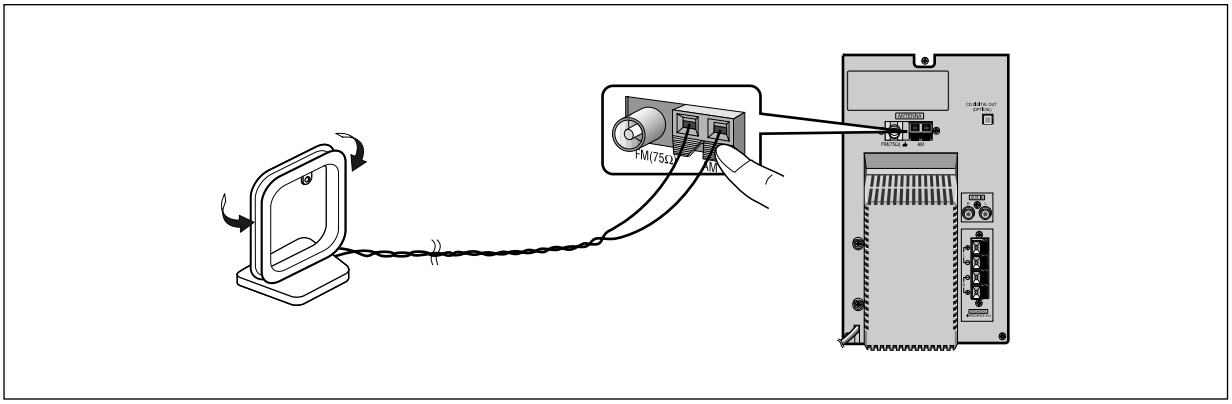
The AM aerial (for long and medium waves) can be:

- Placed on a stable surface
- Fixed to the wall (you must first remove the base)

The AM aerial connector terminals are located on the rear of the system and are marked **AM**.

☛ To avoid noise interference, check that the loudspeaker wires do not run close to the aerial wires. Always keep them at least 2 inches (5 cm) away.

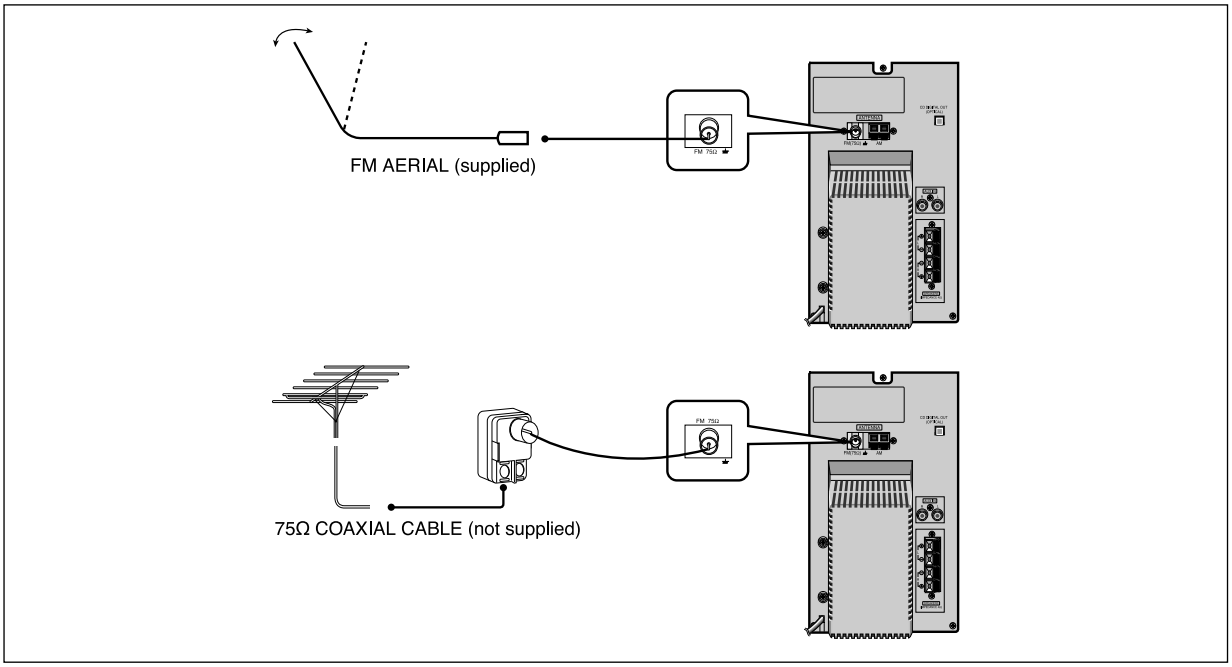


Connecting the FM Aerial

How to connect a COAXIAL TYPE aerial.

- Connect a 75Ω antenna to the FM antenna terminal.
- Plug the connector on the FM aerial supplied into the coaxial socket (75Ω) marked FM on the rear of the system.
- Follow the instructions given on **Page 13** to tune into a radio station, and determine the best position for the aerial.
- If reception is poor, you may need to install an outdoor aerial.

  To do so, connect an outdoor FM aerial to the FM socket on the rear of the system using a 75Ω coaxial cable (not supplied).



Setting the Clock

Your system is equipped with a clock which allows you to turn your system on and off automatically. You should set the clock:

- ***When you purchase the Micro component system***
- ***After a power failure***
- ***After unplugging the unit***

☛ For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

1 Switch the system on by pressing **On/Standby**.

2 Press **Timer/Clock** twice.
Result: **CLOCK** is displayed.

3 Press **Program/Set**.
Result: The hour flashes.

4

To...	Press...
Increase the hours	
Decrease the hours	

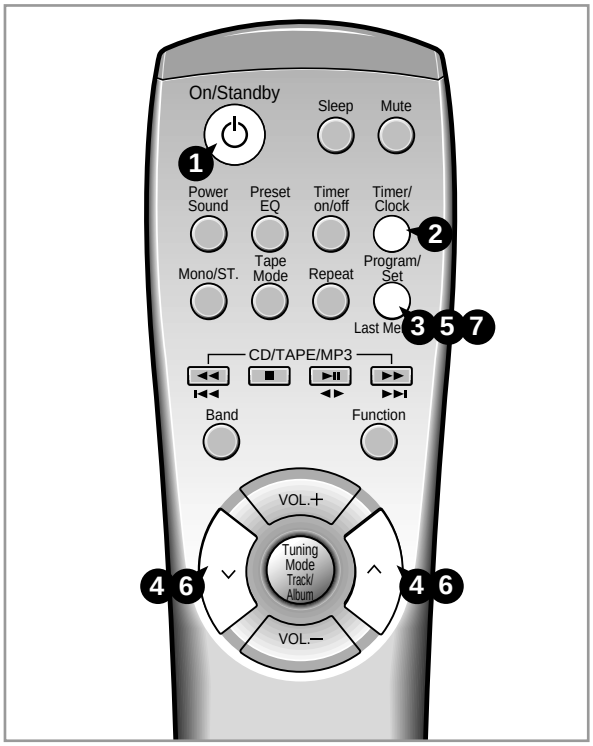
5 When the correct hour is displayed, press **Program/Set**.
Result: The minutes flash.

6

To...	Press...
Increase the minutes	
Decrease the minutes	

7 When the correct time is displayed, press **Program/Set**.
Result: The clock starts and is displayed, even when the system is in standby mode.

➢ You can display the time, even when you are using another function, by pressing **Timer/Clock** once.



To replay the CD/MP3-CD

You can play 12 cm or 8 cm compact discs without an adapter.

This unit has been designed to playback the CDs: Audio CD, CD Text, CD-R and CD-RW.

Continued use of irregular shape CDs (heart-shape, octagonal, etc.) can damage the unit.

1 Select the CD function by pressing **FUNC.** button.

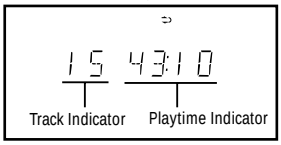
2 Press the **Open/Close** ( ) button on the front panel.
Result: The compartment opens.

3 Place your disc in the compartment, with the label on the disc facing upwards.

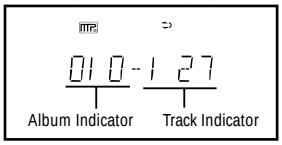
4 Close the compartment by pressing the **Open/Close** ( ) button again.

5 Press the **PLAY/PAUSE** (ˆ ¨) button.
- Your CD Player will take a few moments to scan through all the tracks recorded on a particular MP3-CD.
- The English name of the song may be indicated on the display only if directly downloaded from the PC or if the purchased MP3-CD is sorted according to titles(directory). (Other languages besides English may not be indicated.)
- The English name of the track may not be indicated depending on the characteristics of the MP3-CD.

<CD Playback>

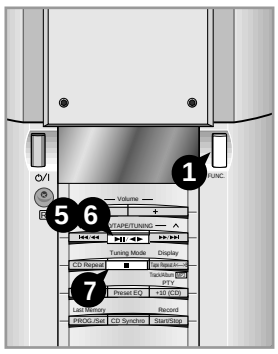


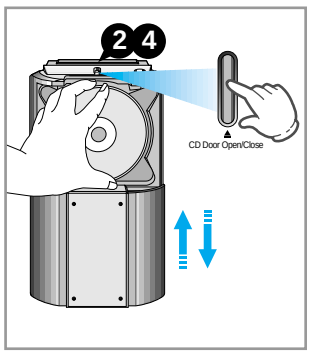
<During the MP3-CD playback>



6 To stop playback temporarily, press the **PLAY/PAUSE** (ˆ ¨) button.
➢ Press **PLAY/PAUSE** (ˆ ¨) again to continue playing the disc.

7 Press the **STOP** (■) button when you have finished.

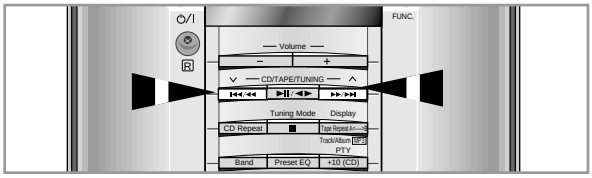




Selecting a Track

You can select the track you wish to listen to, either when the compact disc player is stopped or when a disc is playing.

To start playback at the beginning of the...	Press...
Next track	⏭ once
Current track	⏮ once
Previous track	⏮ twice
Track of your choice	⏮ or ⏭ the appropriate number of times.



To select the MP3-CD album and track

The album and track of the MP3-CD desired to listen may be selected on stopping or during playbacks.

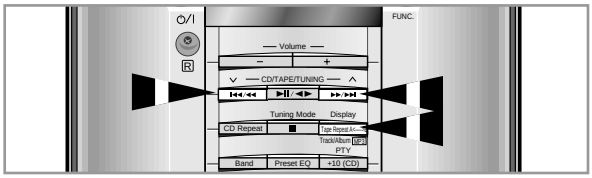
Main Unit

1 Press the **Track/Album** button to select "**ALBUM**" on the display.
Press the ⏮, ⏭ button to select Album no.

➢ It moves by the unit of album(directory).

2 Press the **Track/Album** button to select "**TRACK**" on the display
Press the ⏮, ⏭ button to select Track no.

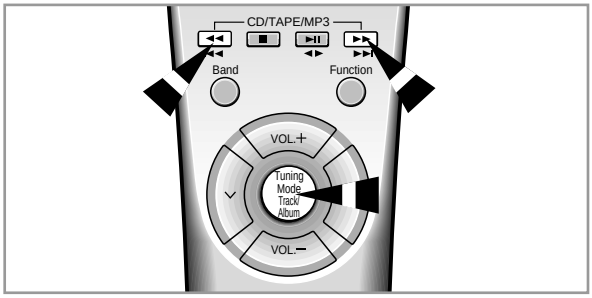
➢ ♦ Moves the track within the album.
♦ If the ⏮, ⏭ button is pressed more than the number of tracks within the album, it moves to the



Remote Control

Press the **Track/Album** button, then select '**TRACK**' or '**ALBUM**' and press the ⏮, ⏭ button.

♦ If '**TRACK**' is selected in the display, the track moves.
♦ If '**ALBUM**' is selected in the display, the album moves.



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What is MP3?

MP3 means MPEG1 Layer 3, the global standard for audio signal compression technology. It uses digital compression technology to compress original sound data by up to 12 times without sound quality degradation.

File Compatibility

♦ The unit will playback files created in MP3 format (Mpeg1.Layer3) with ∗.mp3 as their extension.
♦ Files created in MP2 format (Mpeg1.Layer2) with ∗.mp2 as their extension can also be played back.

How many MP3 files can a CD-R or CD-RW disc record?

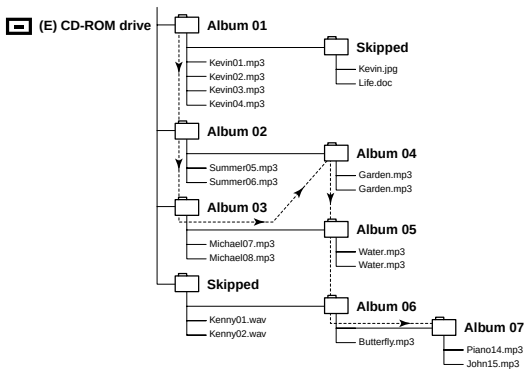
The maximum capacity of one CD-R or CD-RW disc is 680MB.
Normally, one MP3 file has a capacity of 4MB, therefore approximately 170 files can be recorded on a single disc.

Regarding the playback of CD-R/RW

♦ In the case of an original CD-R(Recordable) recorded in audio CD format, CD-RW(Rewritable) and editing by the user, playback is processed on the respective completed status. (The player may not be played back according to the characteristics of the CD or recorded status.)
♦ The CD-RW is comparably less reflexive than CD which causes more time delay to read.

Playback sequence of albums and tracks

♦ In case of Window Explorer display.
♦ The arrows indicates playback sequence of albums and tracks.
♦ Tracks with jpg, wav or doc only are not audio files and therefore will be skipped.



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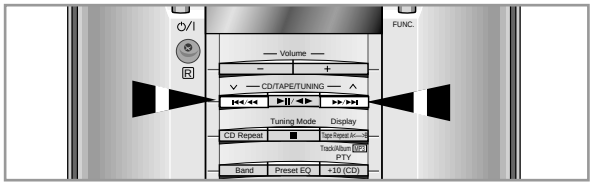
Searching for a Specific Music Passage on a CD

When listening to a compact disc, you can quickly search for a specific music passage on a track.

To search through the tracks...	Press and hold down...
Forwards	for at least one second
Backwards	for at least one second

➢ It is recommended that you turn the volume down before using this function.



Function to skip through 10 tracks at a time

Press the +10 button briefly while playing back a CD. The track 10 tracks after the current one will then be played back.

Example: If you want to select track 43 during playback of track 15, press the +10 button three times, and then press the ⏭ button three times.

15 → 20 → 30 → 40 → 41 → 42 → 43

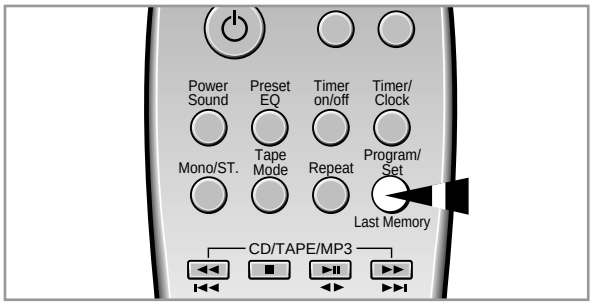
+10 (CD) +10 (CD) +10 (CD) ⏭ ⏭ ⏭

Last Memory Function

*This function is only available during playback of a MP3-CD.

When CD playback is selected again after your CD player has been stopped or turned off, this function allows playback from the start of the track that you last listened to.

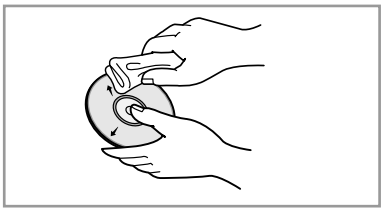
- Press the Last Memory button while your MP3-CD is being played back. The **Last ON** and **OFF** may be repeatedly selected.



Precautions When Using Compact Discs

To guarantee hours of enjoyable listening with your compact discs:

- ***Always hold them by the edges to avoid leaving fingerprints on the shiny surface***
- ***Always replace them in their cases after listening to them***
- ***Do not fix paper or adhesive tape to the discs and do not write on the label***
- ***Clean the player with a special cleaning disc***



CD Repeat Function

You can repeat:

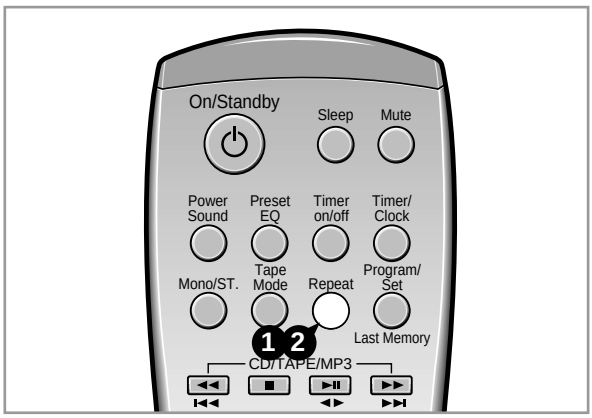
- ***A specific track on a compact disc***
- ***All tracks on the compact disc***

1 Press the **Repeat** button.

To repeat the...	Press Repeat...
Current track indefinitely	Once (**REPEAT 1** is displayed)
Disc	Twice (**REPEAT ALL** is displayed)

2 When you wish to stop the Repeat function, press **Repeat** a third time.

Result: **REPEAT** is no longer displayed and the function is cancelled.



Programming the Order of Playback

*This function dose not operate in the MP3-CD.

You can decide for yourself:

- ***The order in which you listen to the tracks***
- ***The tracks to which you do not wish to listen***

➢ This feature can be combined with the Repeat function.

1 If necessary, stop the player by pressing **STOP** (■).

2 Press **Program/Set**.
Result: **PROGRAM** and **P -- 0 1 ----** are displayed.

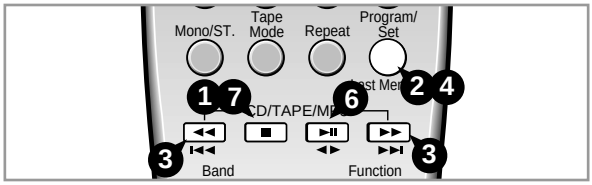
3 Select the required track by pressing the **SKIP** buttons:
- **I** to move backwards through the tracks
- **I** to move forwards through the tracks

4 Press **Program/Set**.
Result: **P -- 0 2----** is displayed.

5 To select other tracks, repeat Steps **3** and **4**.
➢ You can programme up to 24 tracks.

6 When you have finished selecting the tracks, press **CD** (ˆ ¨) to start listening to the selection, in the order in which the tracks were programmed.

7 Press **STOP** (■) twice to cancel the selection when the disc is playing.



Checking and Changing Programmed Tracks

You can check and change your selection of tracks at any time.

☛ You must have selected at least one track.

1 Press **STOP** (■) once if you have started listening to the selection.

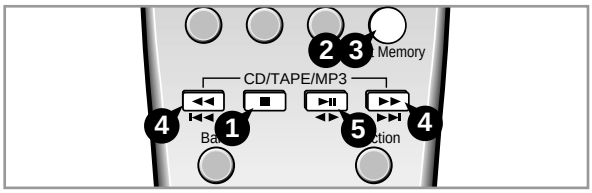
2 Press **Program/Set**.
➢ Each time you press **Program/Set**, the next selection is displayed.

3 Press **Program/Set** one or more times until the track to be changed is displayed.

4 Press **SKIP I** or **I** to select the new track and press **Program/Set** .

5 Press **CD** (ˆ ¨) to start listening to the selection.
Result: The first track selected is played.

➢ You can change one or more tracks in your initial selection.



Searching for and Storing the Radio Stations

You can store up to:

- ***15 FM stations***
- ***8 MW stations***
- ***7 LW stations***

1 Switch the system on by pressing **On/Standby**.

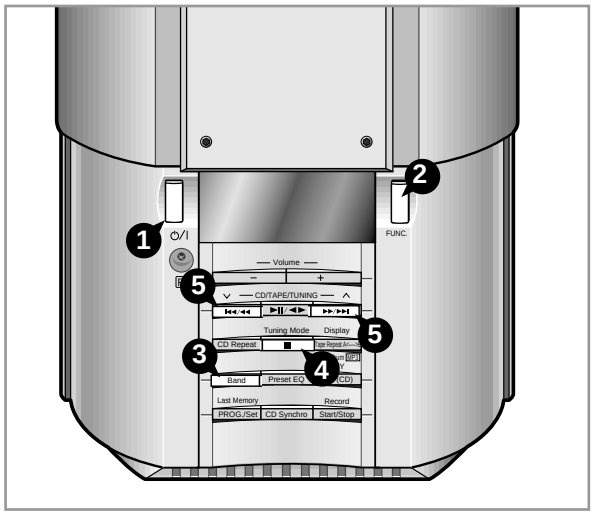
2 Select the TUNER function by pressing **FUNC.** button.

3 Select the required frequency band by pressing **Band** button.
Result: The appropriate indication is displayed:
- **FM** Frequency Modulation
- **AM(MW)** Medium Wave
- **LW** Long Wave

4

To search for a station...	Press Tuning Mode button on the front panel....
Manually	One or more times until **MANUAL** is displayed.
Automatically	One or more times until **AUTO** is displayed.

5 Select the station to be stored by:
- Pressing **Tuning** or on the front panel
  or
- Pressing **Tuning** or on the remote control
- To scroll through the frequencies faster when searching manually, hold down the **Tuning** or buttons.
- The automatic search procedure may stop on a frequency that does not correspond to a radio station. If this happens, use the manual search mode.



Searching for and Storing the Radio Stations(continued)

GB

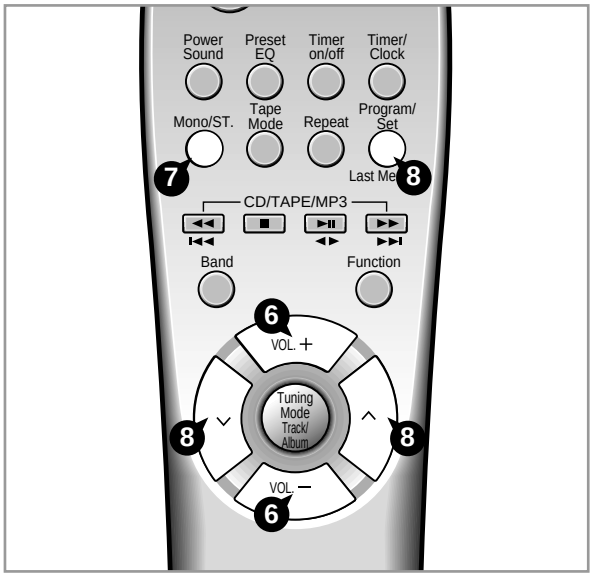
6 Adjust the volume by:
- Pressing **Volume +** or **-** on the front panel
  or
- Pressing the **VOL. +** or **-** buttons on the remote control

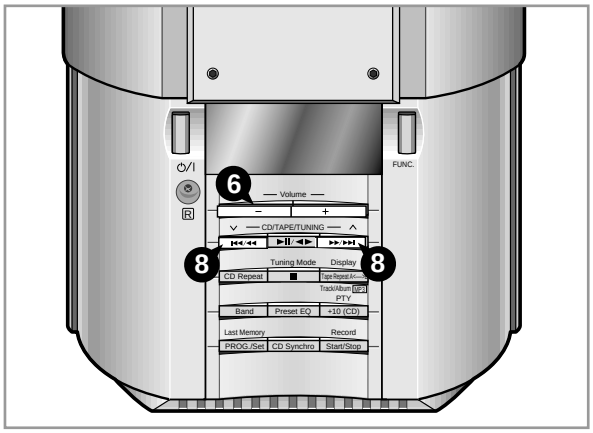
7 Select the stereo or mono mode by pressing **Mono/ST**.
Result: The **STEREO** indicator is displayed when selected.

8 If you do not want to store the radio station found, revert to Step 4 and search for another station.
Otherwise:
a Press **Program/Set**.
Result: The program number and **PROGRAM** are displayed for a few seconds.
b Press **Tuning** and to assign a program number between 1 and 15.
c Press **Program/Set** to store the radio station.
Result: **PROGRAM** is no longer displayed and the station is stored.

9 To store any other radio frequencies required, repeat Steps 3 to 8.

➢ The PROGRAM function can be used to assign a new station to an existing program number.





Selecting a Stored Station

You can listen to a stored radio station as follows:

1 Switch the system on by pressing **On/Standby**.

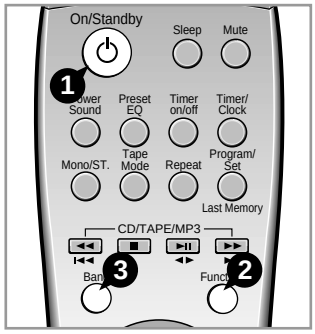
2 Select the TUNER function by pressing **FUNC.** button.

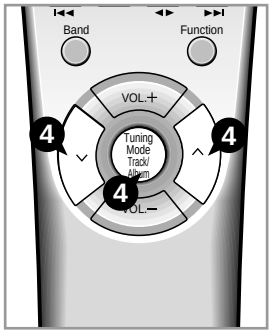
3 Select the required frequency band by pressing **Band** button.

4 Select the radio station as follows.

To listen to ...	Press ...
A stored station	**a** Press the **Tuning Mode** button until "**PRESET**" is displayed. **b** **Tuning** and to select the required program.
Another station	**Tuning** and until the required frequency is displayed.

➢ Press **Tuning Mode** again to exit the stored station selection function.



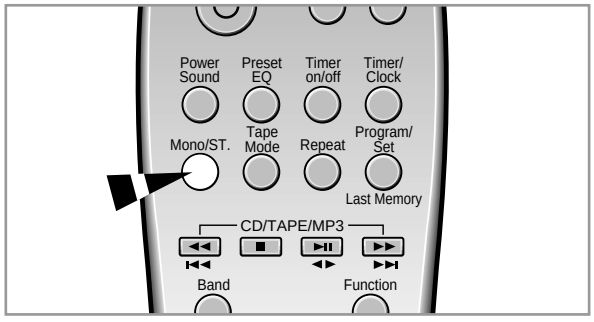


Improving Radio Reception

You can improve the quality of radio reception by:

- ***Rotating the FM or AM(MW) aerial***
- ***Testing the positions of the FM and AM(MW) aerials before fixing them permanently***

➢ If reception from a specific FM radio station is poor, press **Mono/ST.** to switch from stereo mode to mono. The quality of the sound will be improved.



About RDS broadcasting

This unit has the RDS (Radio Data System) function, which enables for the various information such as broadcasting station, radio text, time and 30 types of programs (News, Rock, Classic, etc.) to be received from the FM RDS station together with normal radio signal.

1 Press the **On/Standby** button.

2 Receive the FM radio.
- See the radio receiving method on the **page 13**.
- FM and frequency are shown on the display
- If the received station transfers the RDS information, 'RDS' appears automatically on the display.

3 Press the **RDS Display** button to select the desired RDS mode.
- Whenever the button is pressed, RDS mode changes as follows.

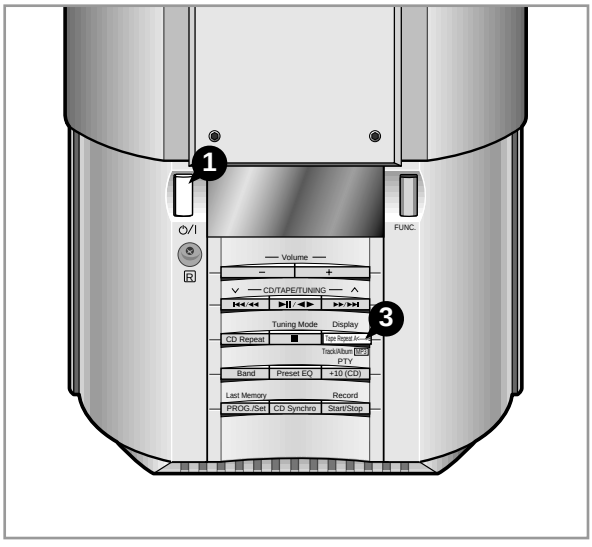
PS NAME → RT → CT → Current FM frequency

☛ ◆ The RDS function is available only in **FM** broadcasting.

➢ **Description on RDS function**

1. **PTY**(Program Type) : Displays the type of programme currently being broadcast
2. **PS NAME**(Program Service Name) : Indicates the name of broadcasting station and is composed of 8 characters.
3. **RT**(Radio Text) : Decodes the text broadcast by a station (if any) and is composed of maximum 64 characters.
4. **CT**(Clock Time) : Decodes the real time clock from the FM frequency.

   ➢ Some stations may not transmit PTY, RT or CT information therefore this may not be displayed in all cases.
5. **TA**(Traffic Announcement) : When this symbol flashes it shows that the traffic announcement is in progress.
6. **EON**(Enhanced Other Networks Information) : Offers the RDS information on other networks.



About RDS DISPLAY function

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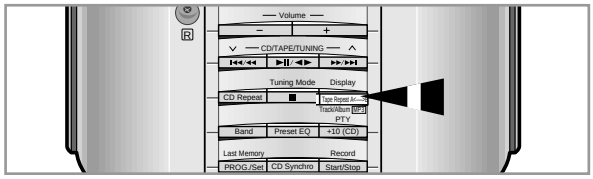
About "PS NAME" MODE

➢ Displays the name of broadcasting station.

Press the **RDS Display** button to select the PS NAME.
- "**PS NAME**" appears on the display.
- If the PS information is being received, the PS name (BBC, AFO, NDR, etc.) is shown on the display.
- If the PS information isn't received, the original FM frequency is shown.

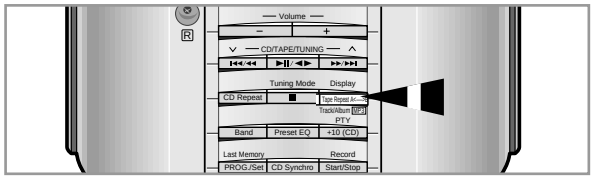
☛ Even though no **RDS Display** button is pressed, the reception of PS information ensues the PS name is displayed.



About 'RT' MODE

➢ Displays the character transmitted from the broadcasting station.

Press the **RDS Display** button to select the RT MODE.
- "**RT**" appears on the display.
- If the RT information is being received, the received information is shown on the display.
- If the RT information isn't received, the "**NO RT**" is shown. On the display.



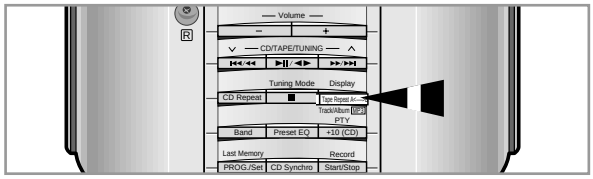
About CT(Clock Time)

➢ Sets the time of RDS clock.

To select the CT time, set the **RDS Display** button to CT MODE.

☛ ◆ The CT information will take up to 2 minutes to be decoded therefore the clock isn't displayed immediately.

◆ If there is no received CT information, "**NO CT**" is displayed.



PTY(Program Type) indication and PTY-SEARCH function

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- The PTY information is composed of an identification symbol, which helps the FM radio to recognize the program type of each FM station.
- The below 30 PTY information is shown on the display by pressing the Pty button.

Display	Program Type
NEWS	• News including an announced opinion and report
AFFAIRS	• Several matters including a current incident, documentary, discussion and analysis.
INFO	• Information including weights and measures, returns and forecast, matters interesting the customer, medical information, etc.
SPORT	• Sports
EDUCATE	• Education
DRAMA	• Drama-Radio serial, etc.
CULTURE	• Culture-National or local culture including the religious problem, social science, language, theater,etc.
SCIENCE	• Natural science and technology
VARIED	• Others-Speech, amusing program (quiz, game), interview, comedy and satirical play, etc.
POP M	• Pop music
ROCK M	• Rock music
M.O.R.M	• M.O.R- Comfortable music, occasionally vocal or piece
LIGHT M	• Light classical music- Classical music and instrumental and chorus music
CLASSIC	• Heavy classical music-Orchestra music, symphony, chamber music and opera
OTHER M	• Other music - Jazz, R&B country music
WEATHER	• Weather
FINANCE	• Finance
CHILDREN	• Children's programmes
SOCIAL A	• Social affairs
RELIGION	• Religion
PHONE IN	• Phone in
TRAVEL	• Travel
LEISURE	• Leisure
JAZZ	• Jazz Music
COUNTRY	• Country Music
NATIONAL M	• National Music
OLDIES	• Oldies Music
FOLK M	• Folk Music
DOCUMENT	• Documentary
TEST	• Alarm Test

About PTY-SEARCH

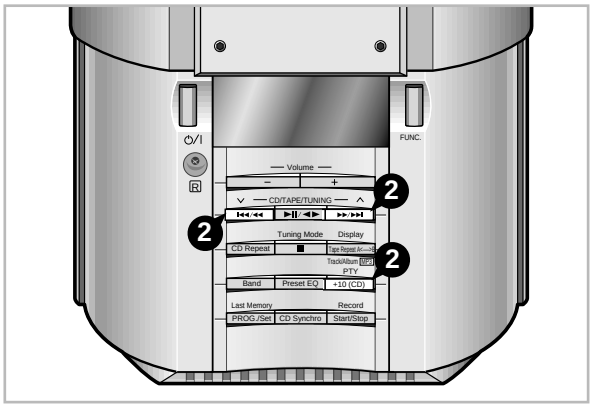
➢ Searches the same PTY as the program type of broadcasting station.

1 Receive the FM radio.
- See the radio receiving method on the page 8~9.
- The FM and frequency appear on the display.
- If the received station is transmitting the RDS information, **"RDS"** lights up.

2 Press the **PTY** button.
- The PTY MODE(NEWS, AFFAIRS, etc.) appears on the display.
- Press the **TUNING** or button to select the desired PTY MODE.

➢
- If the station is transmitting no PTY information, 'NO PTY' lights on the display.
- When the PTY MODE is selected(The PTY MODE is shown on the display), press the PTY KEY once again to convert into PTY-SEARCH MODE and auto-search the station sequentially.
- If the PTY MODE received in the course of auto-search agrees with the selected PTY MODE, the auto-search stops and the PTY-SEARCH is finished.

☛ If the PTY MODE which agrees with the PTY MODE selected in the course of auto-search, isn't received, it is returned to the first frequency at beginning the PTY SEARCH and the auto-search and PTY SEARCH are suspended.



Listening to a Cassette

1 Switch the system on by pressing **On/Standby**.

2 Select the TAPE function by pressing **FUNC.** on the front panel.

3 Open the cassette deck by pushing on the corner of the cover marked **Push Eject** until you hear a click and then releasing it.

4 Insert the pre-recorded cassette with the open edge of the tape facing downwards.

5 Close the deck by pushing on it until it clicks into place.

6

To listen to...	Press...
Side A	ˇ ^
Side B	ˇ ^

Result: The cassette starts playing.

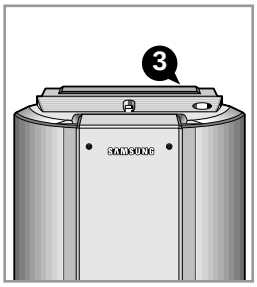
7

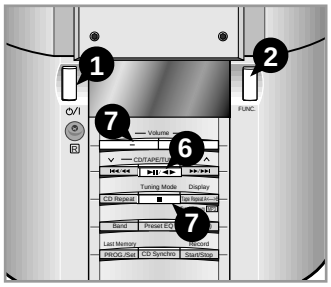
To...	Press...
Adjust the volume	**VOL. +** or **–** (or the **Volume +** or **–** buttons on the front panel)
Stop the playback or search	**STOP** (■)

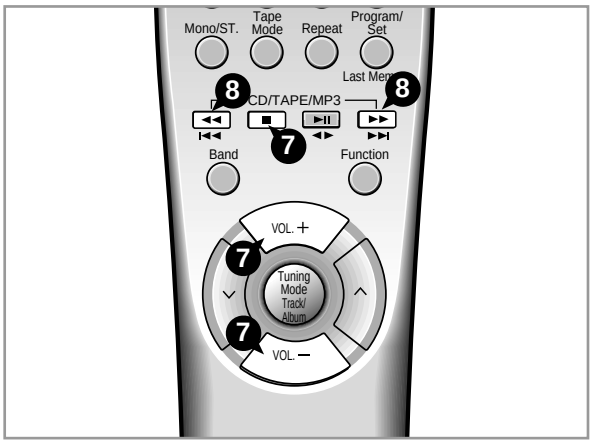
8 When the cassette is stopped, select one of the following functions as required.

To...	Press...
Rewind the cassette	
Fast-forward the cassette	

➢ The cassette player stops automatically when the beginning or end of the cassette is reached.







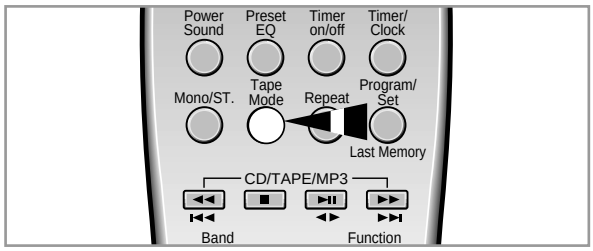
Selecting the Cassette Playback Mode

Your micro audio system has three cassette playback modes which enable you to listen to both sides of a cassette automatically.

➢ You can select this function during playback or when the cassette is stopped.

Press **Tape Mode** one or more times to display the required symbol.

When the display indicates...	The system plays back...
	One side of the cassette and then stops.
	◆ One side of the cassette ◆ The other side of the cassette and then stops
	Both sides of the cassette indefinitely (both sides are played one after the other until you stop the player).

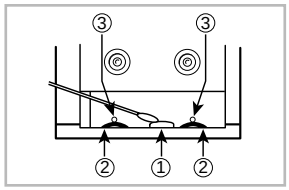


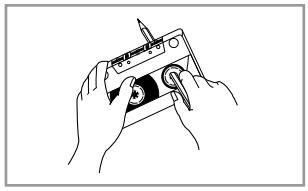
Maintaining the Sound Quality

- Heads (①)
- Roller (②)
- Drive capstan (③)

To guarantee hours of enjoyable listening with your cassettes:

- ***Check that the tape in the cassette is always sufficiently taut.***
- ***Store your cassettes in a clean place, out of direct sunlight, where they will not be exposed to high temperatures.***
- ***Avoid using 120-minute cassettes as they are extremely fragile.***





Recording a Radio Programme

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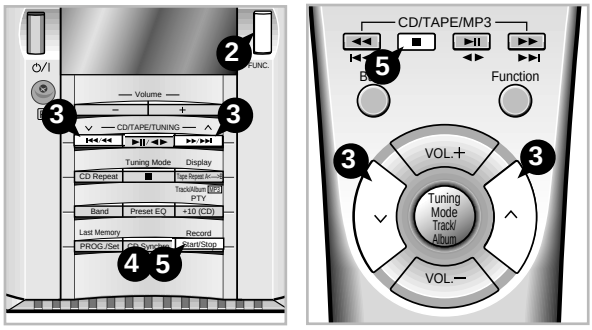
You can record a radio programme of your choice and listen to it at a later date.

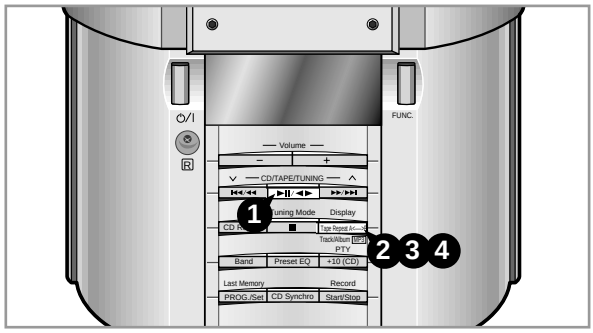
1. Insert a blank cassette in the cassette deck.
2. Select the TUNER function by pressing **FUNC.** button.
3. Select the radio station that you wish to record by pressing **Tuning** or .
4. To start recording, press the Record **Start/Stop** button.
   Result: Recording starts immediately.
5. When you wish to stop recording, press the Record **Start/Stop** button.



Tape Repeat (A↔B) Function

When you select TAPE Repeat (A↔B) playback, the music passages to which you were listening is repeated 3 times.

1. Press **TAPE**(˘ ˆ) button.
   Result: The TAPE player starts playing.
2. Press **Tape Repeat (A↔B)** button.
   Result: The indications appear: **START**
   The flashes appear: **A↔B**
   - A Time is memorized.
3. Press **Tape Repeat (A↔B)** button.
   Result: The indications appear: **END**
   - B Time is memorized.
   - Your selected passages are repeated 3 times.
4. When you have finished the Repeat playback,
   Press **Tape Repeat (A↔B)** .

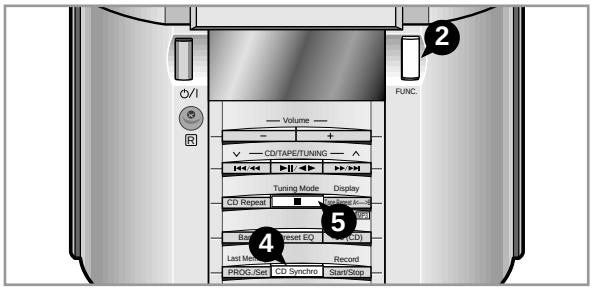


Recording a CD with the CD Synchro Feature

*This function dose not operate in the MP3-CD.

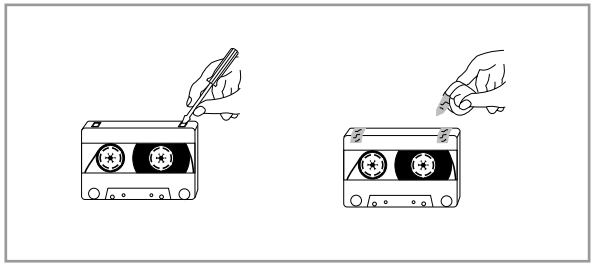
You can record a compact disc on a cassette.

1. Insert a blank cassette in the cassette deck.
2. Select the CD function by pressing **FUNC.** button.
3. Load a compact disc.
4. Press the **CD Synchro** button.
   Result: The first track on the disc is played and the player starts recording automatically (synchronised recording).
5. When you have finished recording, press the **STOP** (■) button.



Recommendations for Recording

- ***Record on normal bias cassettes only.***
- ***To prevent erasing a cassette that you wish to keep, remove the safety tabs on the upper edge of the cassette. To re-record a cassette, where the tabs have been broken, simply cover the openings with adhesive tape.***
- ***It is an infringement of copyright laws to copy records and pre-recorded cassettes or to re-record them in any form without the permission of the owners of the corresponding copyright.***



Timer Function

The timer enables you to switch the system on or off at specific times.
Example: You wish to wake up to music every morning.

➢ If you no longer want the system to be switched on or off automatically, you must cancel the timer.

☛
- Before setting the timer, check that the current time is correct.
- For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

---

1 Switch the system on by pressing **On/Standby**.

2 Press **Timer/Clock** until ◴ **TIMER** is displayed.

3 Press **Program/Set**.
Result: **ON TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-on time already set; you can set the timer switch-on time.

4 Set the timer switch-on time.
- **a** Set the hour by pressing **Tuning** and .
- **b** Press **Program/Set**.
  Result: The minutes flash.
- **c** Set the minutes by pressing **Tuning** and .
- **d** Press **Program/Set**.
  Result: **OFF TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-off time already set; you can now set the timer switch-off time.

5 Set the timer switch-off time.
- **a** Set the hour by pressing **Tuning** and .
- **b** Press **Program/Set**.
  Result: The minutes flash.
- **c** Set the minutes by pressing **Tuning** and .
- **d** Press **Program/Set**.
  Result: **VOL XX** is displayed, where **XX** corresponds to the volume already set.

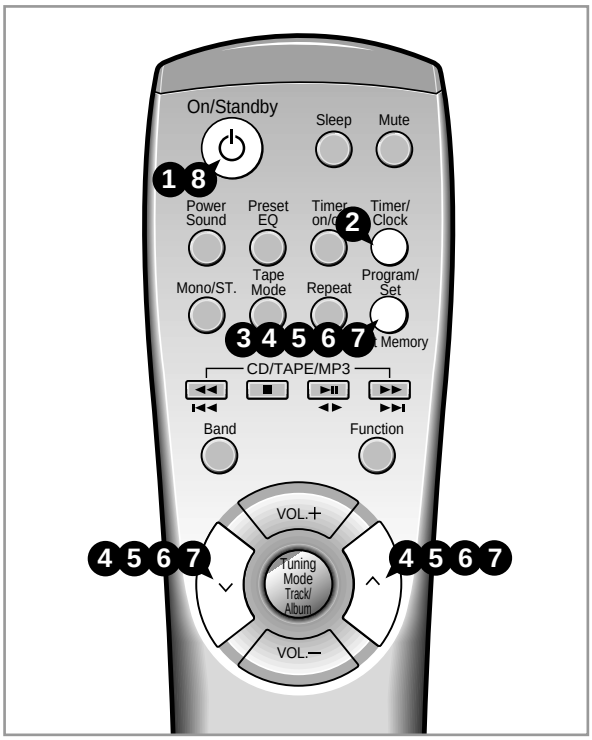
6 Press **Tuning** and to adjust the volume level and press **Program/Set**.
Result: The source to be selected is displayed.

7 Press **Tuning** and to select the source to be played when the system switches on.

If you select...	You must also...
TAPE (cassette)	Insert a recorded cassette in one of the decks before setting the system to standby.
TUNER (radio)	**a** Press **Program/Set**. **b** Select a preset station by pressing **Tuning** and .
CD (compact disc)	**a** Load a compact disc.

8 Press **On/Standby** to set the system to standby mode.
Result: ◴ is displayed to the bottom left of the time, indicating that the timer has been set. The system will switch on and off automatically at the required times.

➢ If the timer switch on and off times are identical, the word **ERROR** is displayed.

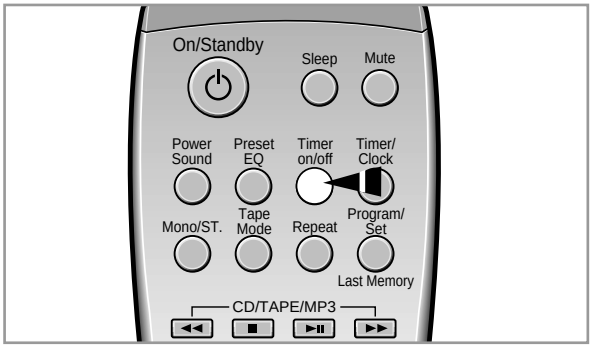


Cancelling the Timer

After having set the timer, it will start automatically as shown by the ◴ indication on the display. If you no longer wish to use the timer, you must cancel it.

➢ You can stop the timer at any time (system on or in standby mode).

To...	Press Timer On/Off...
Cancel the timer	Once. Result: ◴ is no longer displayed.
Restart the timer	Twice. Result: ◴ is displayed again.



Setting the System to Switch Off Automatically

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While listening to a compact disc or a cassette, you can set the system to switch off automatically.

Example: You wish to go to sleep to music.

1 Press **Sleep**.
Result: The following indications are displayed:

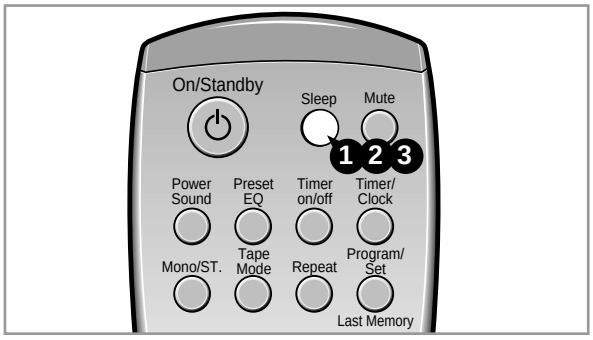
90 MIN

2 Press **Sleep** one or more times to indicate how long the system should continue playing before it switches off:

90 MIN → 60 MIN → 45 MIN
OFF ← 15 MIN ← 30 MIN

➢ At any time, you can:
- Check the remaining time by pressing **Sleep**.
- Change the remaining time by repeating steps 1 and 2.

3 To cancel SLEEP function, press **Sleep** one or more times until **OFF** is displayed.

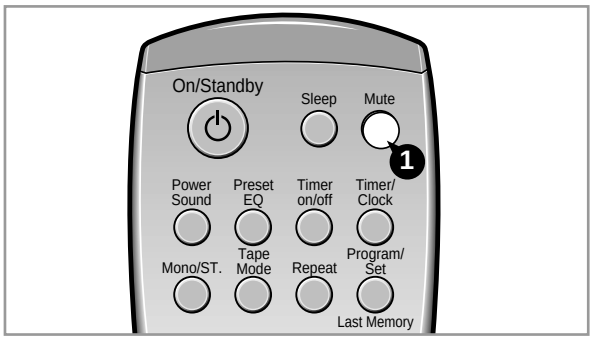


Mute Function

You can turn the sound off temporarily on your system.
Example: You wish to answer a telephone call

1 Press **Mute**.

2 To switch the sound back on(at the same volume as before), press **Mute** again or the **Volume** buttons.



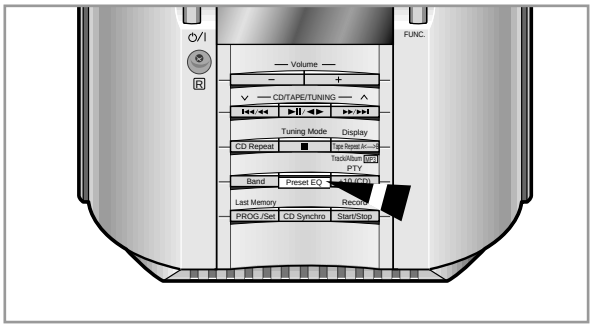
Equalizer

Your micro audio system is equipped with a preset equalizer that enables you to choose the most appropriate balance between treble and bass frequencies, according to the type of music to which you are listening.

Press the **Preset EQ** button one or more times until the required option is selected.

To obtain a...	Select...
Standard balance (linear)	**PASS**
Balance suitable for Dance club	**D. CLUB**
Balance suitable for Hall	**HALL**
Balance suitable for Stadium	**STADIUM**
Balance suitable for rock music	**ROCK**
Balance suitable for pop music	**POP**
Balance suitable for classical music	**CLASSIC**

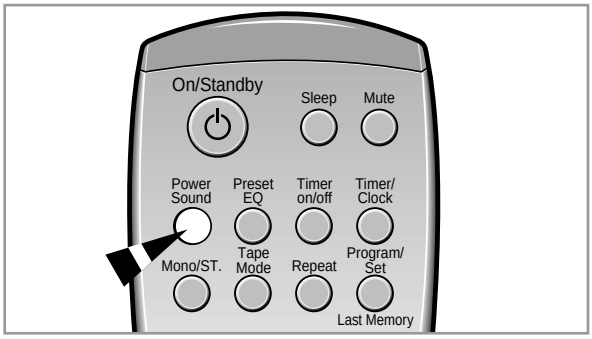
Result: The corresponding indication is displayed.



Power Sound function

This machine is equipped with the function of Power Sound which amplifies bass treble output to twice as much for powerful real sound.

1. Press the **Power Sound** button.
   Result: ◆ **P, SOUND** is displayed for a few seconds.
   ◆ A more powerful resonant sound is diffused.
2. To cancel this function, press **Power Sound** button again.



Connecting Headphones

You can connect a set of headphones to your micro component system so that you can listen to music or radio programs without disturbing other people in the room. The headphones must have a 3.5 ø connector or appropriate adapter.

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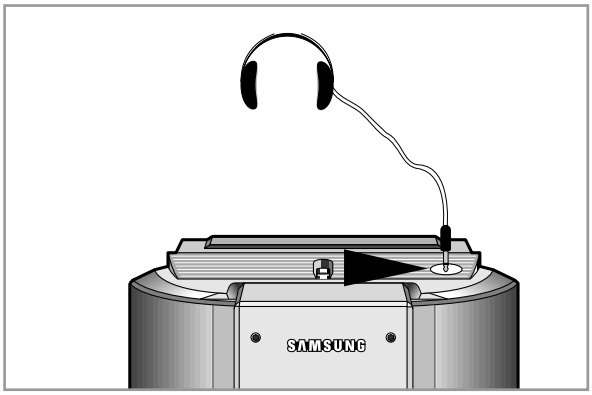
Connect the headphones to the Phones connector on the front panel (bottom left corner).

Result: The loudspeakers are no longer used for sound output .

☛ Prolonged use of headphones at a high volume may damage your hearing.



Safety Precautions

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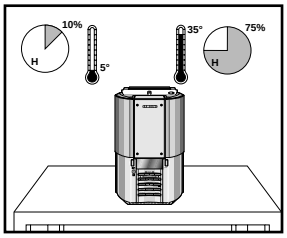
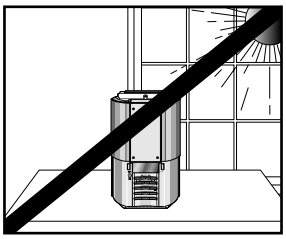
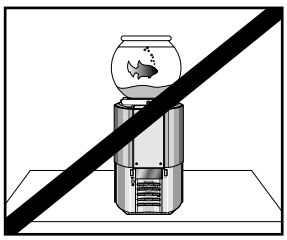
The following diagrams illustrate the precautions to be taken when using or moving your Micro component system.



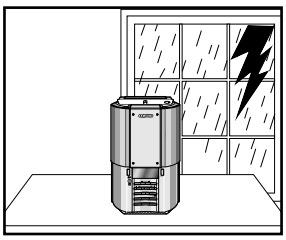
Ambient operating conditions:
Ambient temperature 5°C-35°C
Humidity 10-75%



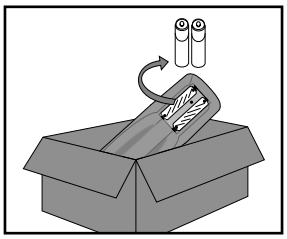
Do not expose the unit to direct sun radiation or other heat sources. This could lead to overheating and malfunction of the unit.



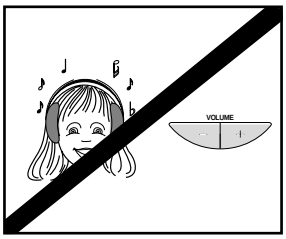
Do not place potted plants or vases on top of the unit. Moisture entering the unit could lead to dangerous electric shock and cause equipment damage. In such events immediately disconnect the power cord from the socket.



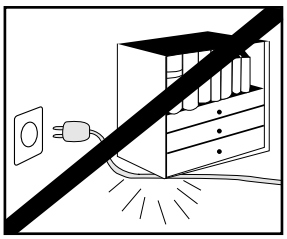
During thunderstorms, disconnect the power cord from the socket. A voltage surge due to lightning could damage the unit.



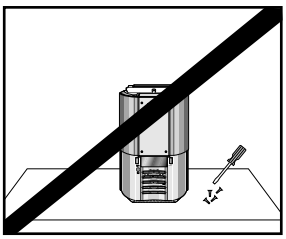
Remove the batteries from the remote control, if not used for any extended periods.
Leaking batteries can cause serious damage to the remote control.



When using headphones, take care not to listen at excessive volumes. Extended use of headphones at high volumes will lead to hearing damage.



Do not place heavy items on the power cord. Power cord damage can lead to damage of the equipment (fire hazard) or cause electric shock.



Do not remove any equipment panels. The inside of the unit contains live components, which cause electric shock.

Before Contacting the After-Sales Service

It always takes a little time to become familiar with a new appliance. If you have any of the problems listed below, try the solutions given. They may save you the time and inconvenience of an unnecessary service call.

	Problem	Checks/Explanation
GENERAL	The system does not work	• *The power cord is not correctly plugged into a wall socket or the wall socket is not switched on.* • *The remote control batteries need replacing or the polarity has not been respected.* • *The On/Standby button has not been pressed.*
	There is no sound	• *The volume has been completely turned down.* • *The correct function (TUNER, CD, TAPE, AUX) has not been selected.* • *You have connected a set of earphones.* • *The loudspeaker wires have been disconnected.*
	The Timer does not work	• *The timer has been stopped by pressing Timer On/Off.*
	Incase it is not worked, even the action is taken as above.	***Press the Preset EQ button on the front Panel for 5 seconds in power 'OFF'(stand-by), then it is returned the original position (RESET).***
CD/MP3-CD	The compact disc player does not start playing	• *The CD function has not been selected.* • *The disc has been inserted face down or is either dirty or scratched.* • *The laser sensor is dirty or dusty.* • *The system has not been installed on a flat, horizontal surface.* • *Condensation has formed in the player; leave the system in a warm, airy room for at least one hour.*
	The mp-3 CD player cannot be played.	• *Use the PC to confirm if the extension is *.mp3.*
CASSETTES	The tape does not start playing	• *The TAPE function has not been selected.* • *The cassette has not been inserted correctly.* • *The cassette player has not been closed.* • *The tape is either slack or broken.*
	The volume falls off The cassette is not erased correctly There is excessive wow and flutter	• *The audio heads are dirty.* • *The rollers or drive capstans are dirty.* • *The tape is worn.*
RADIO	Reception is poor or no radio stations are received at all	• *The TUNER function has not been selected.* • *The radio frequency has not been correctly selected.* • *The aerial has been disconnected or is not facing the right way. Turn it until you find the best orientation.* • *You are in a building that blocks radio waves; you must use an outside aerial.*

If the above guidelines do not allow you to solve the problem, take a note of:

- ***The model and serial numbers, normally printed on the rear of the system***
- ***Your warranty details***
- ***A clear description of the problem***

Then contact your local dealer or SAMSUNG after-sales service.

Technical Specifications

SAMSUNG strives to improve its products at all times. Both the design specifications and these user instructions are thus subject to change without notice.

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RADIO	
LW	
Usable sensitivity	60 dB
FM	
Signal/noise ratio	60 dB
Usable sensitivity	6 dB
Total harmonic distortion	1.5%
AM (MW)	
Signal/noise ratio	40 dB
Usable sensitivity	54 dB
Total harmonic distortion	2%

COMPACT DISC PLAYER	
Frequency range	20 Hz - 20 KHz (±1 dB)
Signal/noise ratio	90 dB (at 1 KHz) with filter
Distortion	0.05 % (at 1 KHz)
Channel separation	80 dB
Disc sizes	Diameter: 120 or 80 mm. Thickness: 1.2 mm

TAPE DECK	
Frequency range	125 Hz ~ 12 KHz
Signal/noise ratio	40 dB
Channel separation	35 dB
Erasing effect	60 dB

GENERAL	
Output power	2x20 Watts (total harmonic distortion:10%)
Dimensions	180(W)x265(H)x270(D)mm.

THIS APPLIANCE IS MANUFACTURED BY:

SAMSUNG ELECTRONICS

AH68-00772B